

852 Product Activity Data

Functional Group ID=**PD**

Introduction:

This Draft Standard for Trial Use contains the format and establishes the data contents of the Product Activity Data Transaction Set (852) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used by a distributor, warehouse, or retailer to advise a trading partner of inventory, sales, and other product activity information. Product activity data enables a trading partner to plan and ship, or propose inventory replenishment quantities, for distribution centers, warehouses or retail outlets. The receiver of the transaction set will maintain some type of inventory/product movement records for its trading partners to enable replenishment calculations based on data provided by the distributor, warehouse or retailer.

Notes:

This document identifies the AAFES business requirements for the 852, Product Activity Data, when reporting store sales data. All segments not required by the standards, but required by AAFES, will be marked "RECOMMENDED." All elements marked "R" are required by AAFES and will always be transmitted. All elements marked ">>" are mandatory by the standards. All unmarked elements may be transmitted as necessary in their respective segments.

Heading:

<u>Page No.</u>	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
3	010	ST	Transaction Set Header	M	1		
4	020	XQ	Reporting Date/Action	M	1		
Not Used	030	XPO	Preassigned Purchase Order Numbers	O	>1		
Not Used	040	N9	Reference Identification	O	>1		
Not Used	050	PER	Administrative Communications Contact	O	3		
LOOP ID - N1						200	
5	060	N1	Name	O	1		n1
Not Used	070	N2	Additional Name Information	O	1		
Not Used	080	N3	Address Information	O	2		
Not Used	090	N4	Geographic Location	O	1		
Not Used	100	FOB	F.O.B. Related Instructions	O	1		
Not Used	110	TD5	Carrier Details (Routing Sequence/Transit Time)	O	1		
Not Used	120	DTM	Date/Time Reference	O	>1		
Not Used	130	N9	Reference Identification	O	>1		
Not Used	140	PER	Administrative Communications Contact	O	3		

Detail:

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LOOP ID - LIN						999999	
6	010	LIN	Item Identification	O	1		
Not Used	020	CTP	Pricing Information	O	25		
Not Used	030	PO4	Item Physical Details	O	1		
Not Used	040	N9	Reference Identification	O	>1		
Not Used	050	AMT	Monetary Amount	O	10		
Not Used	060	PAL	Pallet Information	O	1		
Not Used	070	QTY	Quantity	O	1		

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LOOP ID - ZA				>1		
7	080	ZA	Product Activity Reporting	M	1	n2
Not Used	090	QTY	Quantity	O	1	n3
Not Used	100	CTP	Pricing Information	O	25	
8	110	SDQ	Destination Quantity	O	>1	
LOOP ID - G95				1		
Not Used	120	G95	Performance Requirements	O	1	
Not Used	130	DTM	Date/Time Reference	O	2	

Summary:

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10	010	CTT	Transaction Totals	O	1		n4
11	020	SE	Transaction Set Trailer	M	1		

Transaction Set Notes

1. The reporting location is required. The reporting location is specified explicitly in the N1 segment using the code RL in N101, or implicitly using the SDQ segment (Table 2) with the location data elements. They are mutually exclusive (the SDQ and the N1 with N101 containing RL).
2. The quantity for the item identified in the LIN segment is required. Quantity is specified either in the ZA segment (ZA02) or in the SDQ segment.
3. The QTY segment in the ZA loop is only used to provide the number of orders associated with the quantity in the ZA segment, or the total of quantities in the SDQ segments for the activity. The only allowable code value is OC = Order Count.
4. The number of line items (CTT01) is the accumulation of the number of LIN segments. Hash total (CTT02) is not used in this transaction set.
When sending item and activity data in the LIN loop, the CTT segment is required.

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Segment: **ST** Transaction Set Header
Position: 010
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To indicate the start of a transaction set and to assign a control number
Syntax Notes:
Semantic Notes: 1 The transaction set identifier (ST01) is used by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the Invoice Transaction Set).
Comments:

Data Element Summary

Ref.	Data	Name	Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
>>	ST01	143 Transaction Set Identifier Code	M ID 3/3
		Code uniquely identifying a Transaction Set	
		852 Product Activity Data	
>>	ST02	329 Transaction Set Control Number	M AN 4/9
		Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	

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Segment: XQ Reporting Date/Action
Position: 020
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To specify reporting date and action to be taken
Syntax Notes:
Semantic Notes: 1 XQ02 is the reporting date. If reporting a date range, then XQ02 is the start date and XQ03 is the end date.
Comments:

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
>>	XQ01	305	Transaction Handling Code Code designating the action to be taken by all parties H Notification Only	M ID 1/2
>>	XQ02	373	Date Date expressed as CCYYMMDD Reporting range start date.	M DT 8/8
R	XQ03	373	Date Date expressed as CCYYMMDD Reporting range end date.	O DT 8/8

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- Segment:** N1 Name
Position: 060
Loop: N1 Optional (Recommended)
Level: Heading
Usage: Optional (Recommended)
Max Use: 1
Purpose: To identify a party by type of organization, name, and code
Syntax Notes:
 - 1 At least one of N102 or N103 is required.
 - 2 If either N103 or N104 is present, then the other is required.
- Semantic Notes:**
Comments:
 - 1 This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.
 - 2 N105 and N106 further define the type of entity in N101.

Data Element Summary

Ref.	Data	Name	Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
>>	N101	98 Entity Identifier Code Code identifying an organizational entity, a physical location, property or an individual	M ID 2/3
		RL Reporting Location	
R	N102	93 Name Free-form name	X AN 1/60
R	N103	66 Identification Code Qualifier Code designating the system/method of code structure used for Identification Code (67)	X ID 1/2
		92 Assigned by Buyer or Buyer's Agent	
R	N104	67 Identification Code Code identifying a party or other code	X AN 2/80

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- Segment:** **LIN** Item Identification
- Position:** 010
- Loop:** LIN Optional (Recommended)
- Level:** Detail
- Usage:** Optional (Recommended)
- Max Use:** 1
- Purpose:** To specify basic item identification data
- Syntax Notes:**
- 1 If either LIN04 or LIN05 is present, then the other is required.
 - 2 If either LIN06 or LIN07 is present, then the other is required.
 - 3 If either LIN08 or LIN09 is present, then the other is required.
 - 4 If either LIN10 or LIN11 is present, then the other is required.
 - 5 If either LIN12 or LIN13 is present, then the other is required.
 - 6 If either LIN14 or LIN15 is present, then the other is required.
 - 7 If either LIN16 or LIN17 is present, then the other is required.
 - 8 If either LIN18 or LIN19 is present, then the other is required.
 - 9 If either LIN20 or LIN21 is present, then the other is required.
 - 10 If either LIN22 or LIN23 is present, then the other is required.
 - 11 If either LIN24 or LIN25 is present, then the other is required.
 - 12 If either LIN26 or LIN27 is present, then the other is required.
 - 13 If either LIN28 or LIN29 is present, then the other is required.
 - 14 If either LIN30 or LIN31 is present, then the other is required.
- Semantic Notes:**
- 1 LIN01 is the line item identification
- Comments:**
- 1 See the Data Dictionary for a complete list of IDs.
 - 2 LIN02 through LIN31 provide for fifteen different product/service IDs for each item. For example: Case, Color, Drawing No., U.P.C. No., ISBN No., Model No., or SKU.

Data Element Summary

Ref.	Data	Name	Attributes
<u>Des.</u>	<u>Element</u>		
>>	LIN02	235 Product/Service ID Qualifier	M ID 2/2
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)	
		EN European Article Number (EAN) (2-5-5-1)	
		UP U.P.C. Consumer Package Code (1-5-5-1)	
>>	LIN03	234 Product/Service ID	M AN 1/48
		Identifying number for a product or service	

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Segment: **ZA** Product Activity Reporting
Position: 080
Loop: ZA Mandatory
Level: Detail
Usage: Mandatory
Max Use: 1
Purpose: To provide activity details concerning product being reported
Syntax Notes:

- 1 If either ZA02 or ZA03 is present, then the other is required.
- 2 If either ZA04 or ZA05 is present, then the other is required.
- 3 If either ZA06 or ZA07 is present, then the other is required.

Semantic Notes:

- 1 ZA08 determines if the product activity code in ZA01 refers to a product that is categorized as In-bond merchandise. A "Y" indicates that the activity code applies to a product that is In-bond; an "N" indicates that the activity code does not refer to a product that is In-bond.

Comments:
Notes: **If requested by the trading partner, and the trading partner is on the Sales Based Replenishment procurement system, inventory and on-order quantities can be transmitted in addition to sales.**

Data Element Summary

Ref.	Data	Name	Attributes
<u>Des.</u>	<u>Element</u>	<u>Activity Code</u>	<u>ID</u>
>>	ZA01	859	M ID 2/2
		Code identifying activity details for the product being reported	
		QA	Current Inventory Quantity Available for Shipment or Sale Indicates the quantity currently available to be sold or shipped
		QP	Quantity On Order, Not Yet Received Total quantity expected to be received from supplier for current reporting period, but not yet received
		QS	Quantity Sold
R	ZA02	380	X R 1/15
		Quantity	
		Numeric value of quantity	
R	ZA03	355	X ID 2/2
		Unit or Basis for Measurement Code	
		Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	
		EA	Each

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Segment: **SDQ** Destination Quantity
Position: 110
Loop: ZA Mandatory
Level: Detail
Usage: Optional
Max Use: >1
Purpose: To specify destination and quantity detail
Syntax Notes:

- 1 If either SDQ05 or SDQ06 is present, then the other is required.
- 2 If either SDQ07 or SDQ08 is present, then the other is required.
- 3 If either SDQ09 or SDQ10 is present, then the other is required.
- 4 If either SDQ11 or SDQ12 is present, then the other is required.
- 5 If either SDQ13 or SDQ14 is present, then the other is required.
- 6 If either SDQ15 or SDQ16 is present, then the other is required.
- 7 If either SDQ17 or SDQ18 is present, then the other is required.
- 8 If either SDQ19 or SDQ20 is present, then the other is required.
- 9 If either SDQ21 or SDQ22 is present, then the other is required.

Semantic Notes:

- 1 SDQ23 identifies the area within the location identified in SDQ03, SDQ05, SDQ07, SDQ09, SDQ11, SDQ13, SDQ15, SDQ17, SDQ19, and SDQ21.

Comments:

- 1 SDQ02 is used only if different than previously defined in the transaction set.
- 2 SDQ03 is the store number.
- 3 SDQ23 may be used to identify areas within a store, e.g., front room, back room, selling outpost, end aisle display, etc. The value is agreed to by trading partners or industry conventions.

Notes: **Future addition.**

Data Element Summary

Ref.	Data	Name	Attributes
<u>Des.</u>	<u>Element</u>		
>>	SDQ01	355 Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken EA Each	M ID 2/2
	SDQ02	66 Identification Code Qualifier Code designating the system/method of code structure used for Identification Code (67) 9 D-U-N-S+4, D-U-N-S Number with Four Character Suffix 92 Assigned by Buyer or Buyer's Agent	O ID 1/2
>>	SDQ03	67 Identification Code Code identifying a party or other code	M AN 2/80
>>	SDQ04	380 Quantity Numeric value of quantity	M R 1/15
	SDQ05	67 Identification Code Code identifying a party or other code	X AN 2/80
	SDQ06	380 Quantity Numeric value of quantity	X R 1/15
	SDQ07	67 Identification Code Code identifying a party or other code	X AN 2/80
	SDQ08	380 Quantity Numeric value of quantity	X R 1/15
	SDQ09	67 Identification Code Code identifying a party or other code	X AN 2/80
	SDQ10	380 Quantity Numeric value of quantity	X R 1/15
	SDQ11	67 Identification Code	X AN 2/80

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		Code identifying a party or other code		
SDQ12	380	Quantity	X	R 1/15
		Numeric value of quantity		
SDQ13	67	Identification Code	X	AN 2/80
		Code identifying a party or other code		
SDQ14	380	Quantity	X	R 1/15
		Numeric value of quantity		
SDQ15	67	Identification Code	X	AN 2/80
		Code identifying a party or other code		
SDQ16	380	Quantity	X	R 1/15
		Numeric value of quantity		
SDQ17	67	Identification Code	X	AN 2/80
		Code identifying a party or other code		
SDQ18	380	Quantity	X	R 1/15
		Numeric value of quantity		
SDQ19	67	Identification Code	X	AN 2/80
		Code identifying a party or other code		
SDQ20	380	Quantity	X	R 1/15
		Numeric value of quantity		
SDQ21	67	Identification Code	X	AN 2/80
		Code identifying a party or other code		
SDQ22	380	Quantity	X	R 1/15
		Numeric value of quantity		

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Segment: **CTT Transaction Totals**
Position: 010
Loop:
Level: Summary
Usage: Optional (Recommended)
Max Use: 1
Purpose: To transmit a hash total for a specific element in the transaction set
Syntax Notes:
1 If either CTT03 or CTT04 is present, then the other is required.
2 If either CTT05 or CTT06 is present, then the other is required.
Semantic Notes:
Comments: 1 This segment is intended to provide hash totals to validate transaction completeness and correctness.

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
>>	<u>Des.</u> CTT01	<u>Element</u> 354 <u>Number of Line Items</u> Total number of line items in the transaction set	<u>M</u> <u>N0</u> <u>1/6</u>

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Segment: **SE** Transaction Set Trailer
Position: 020
Loop:
Level: Summary
Usage: Mandatory
Max Use: 1
Purpose: To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments)

Syntax Notes:

Semantic Notes:

Comments: 1 SE is the last segment of each transaction set.

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
>>	SE01	96	Number of Included Segments Total number of segments included in a transaction set including ST and SE segments	M N0 1/10
>>	SE02	329	Transaction Set Control Number Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	M AN 4/9